From: <u>Mullen, Tom</u>
To: <u>Fuentes, Rene</u>

Cc: Winiecki, Eric; Freeman, Kevin; Sebesta, Lisa

Subject: DOCKET NO. SDWA-10-2013-0080 / Groundwater Monitoring Well Installation Activities - Tuesday, July 23,

2013 Update

Date: Tuesday, July 23, 2013 7:06:16 PM

Rene,

On Tuesday, July 23, Cascade hand cleared DC-03D zero to 5 feet and drilled to a total depth of 124 feet. General lithology consisted of silt to 19 feet, gravelly sand to 60 feet, sand to 80 feet, gravelly sand to 124 feet. Groundwater was encountered at approximately 74 feet bgs. Static water levels stabilized at approximately 71 feet bgs. Heaving sands were encountered near the bottom of the borehole.

A 20-slot PVC well screen was installed from 106 to 116 feet. Sand filter pack was installed from 124 to 100 feet bgs. Centralizers were placed at 116, 105, 55, and 20 feet. The annulus was sealed with hydrated bentonite chip to 45 feet bgs before stopping for the day.

For Wednesday, July 24, Cascade will complete sealing DC-03D well annulus, move off location, decon, and setup on YVD-17.

Please let me know if you have questions,

Thank You,

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